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PRODUCT NUMBER
SEE SHEET 4

R1.25
4X

POS.T37

25.50

28.60

POS.A2

POS.A1

53.75

M

P

POS.A1 MARKER

PICK-UP CAP

10.94±0.25

9.64±0.12

0.20

(0.55)

Ø0.76 SOLDER BALLS

Ø0.30 P M

666X

SEE NOTE 2

www.fciconnect.com			surface 3.2 ASME Y14.5		tolerance std -		projection 		 mm	
			TOLERANCES UNLESS OTHERWISE SPECIFIED							
Dr	G. PETERS	2002-12-11	ANGULAR LINEAR		0.X		±0.3		size A4	Scale 1:1
Eng	M. STRAWSER	2002-12-13			0.XX		±0.10			
Chr	G. PETERS	2002-12-13			0.XXX		±0.050			
Appr	M. STRAWSER	2002-12-13	0° ±2°		ECN				V08-0329	
			Product family GIG-Array						Spec ref -	
			title GIG-Array, PLUG ASSEMBLY				dwg no 55720		Rev H	
			10mm, 296 SIGNAL POSITION							
			catalog no -							
			CUSTOMER				sheet 1 of 4			

SEE SHEET 4

KEY ORIENTATION SILKSCREEN-
(OPTIONAL)

④ CONTACTS IN
ROWS J & K ARE
TIED TOGETHER
(COMMONED)

SEE NOTES 4 & 5

— (R1.25)
4X

2.00

18.00

9.00

$$(25.50)$$

1.00
8X (2 PLACES)

$$- \phi \begin{matrix} 0.60 \\ 0.55 \end{matrix}$$

	 0.10	N
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PAD SIZE
666X
SEE NOTE 6

—STENCIL CONNECTOR OUTLINE
ONTO BOARD.

BOARD PATTERN



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file GIG-Array, PLUG ASSEMBLY
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10mm, 296 SIGNAL POSITION

catalog no	
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dwg no

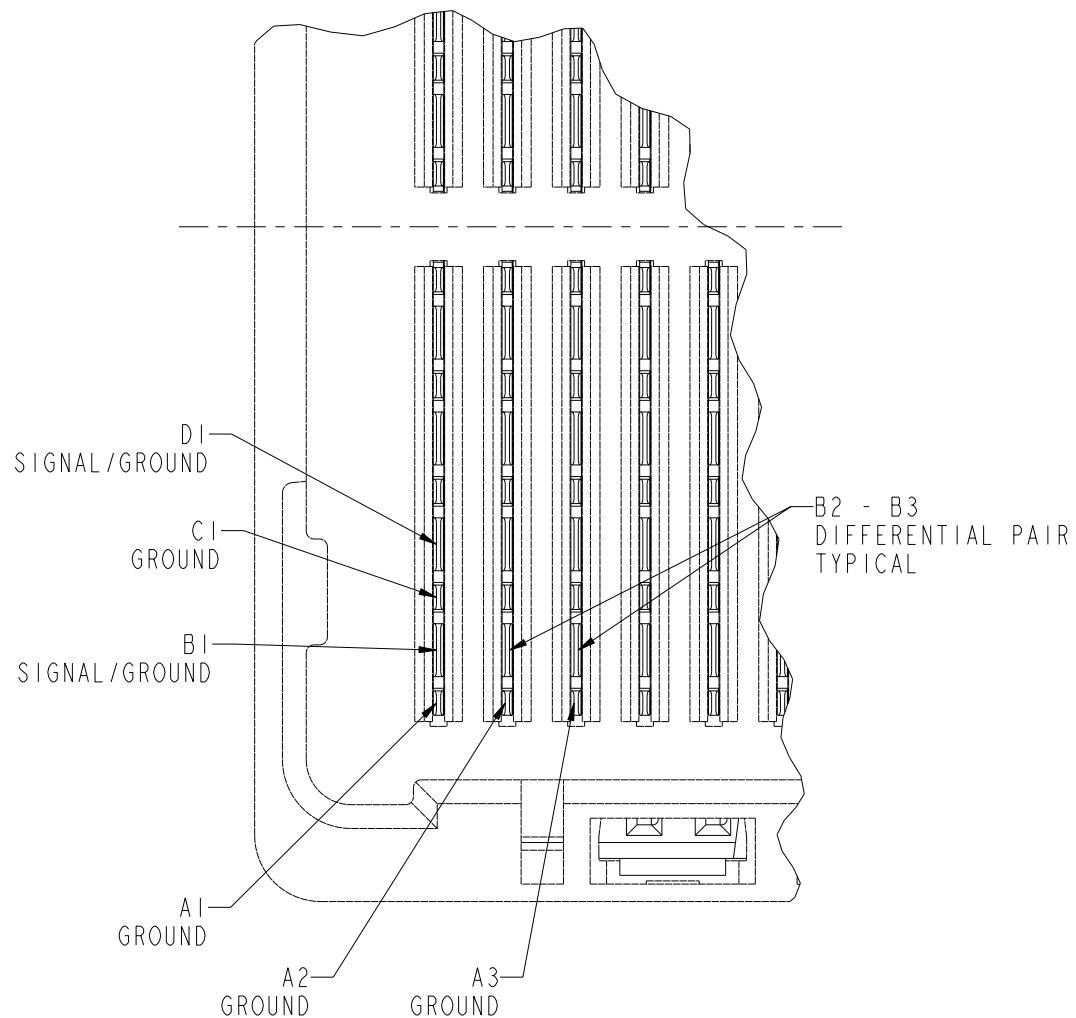
55720

Rev.
H

CUSTOMER

sheet 2 of 4

PRODUCT NUMBER
SEE SHEET 4

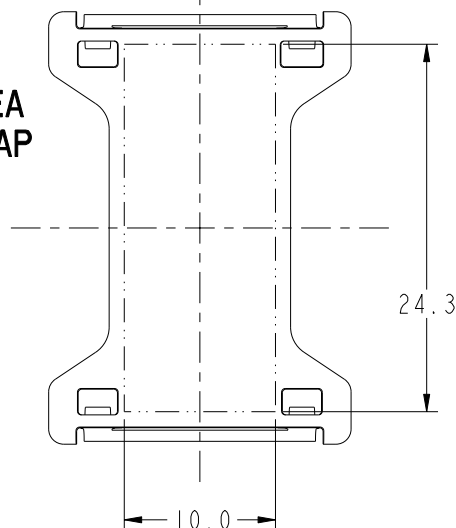


PLUG INTERFACE DESCRIPTION

	title GIG-Array, PLUG ASSEMBLY 10mm, 296 SIGNAL POSITION	dwg no 55720	Rev. H
	catalog no -	CUSTOMER	sheet 3 of 4

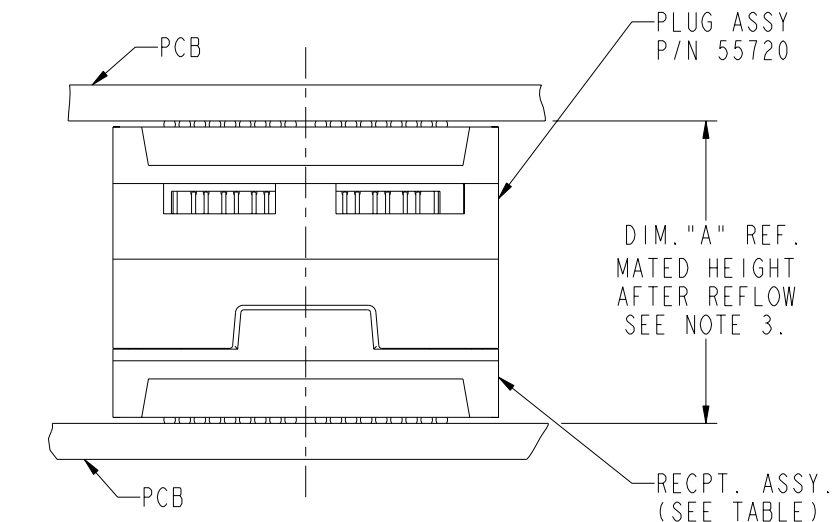
PRODUCT NUMBER	SOLDER BALL
55720-001	SnPb
55720-001LF	SnAgCu LEADFREE (7)(8)

**FLAT AREA
PICK-UP CAP**



NOTES:

- ① MATERIAL:
HOUSING: LCP
CONTACT: COPPER ALLOY
PLATING (CONTACT): Au OVER Ni.
UL RATING: 94 V-0
SOLDER BALL: (SEE TABLE) EUTECTIC
SnPb OR LEADFREE 95.5 Sn/4Ag/0.5Cu
- ② SOLDER BALLS WILL NOT BE PERFECT
SPHERICAL SHAPE DUE TO REFLOW ATTACHMENT.
- ③ MATED HEIGHT EFFECTED BY CUSTOMERS'
PCB PAD SIZE, PLATING, SOLDER REFLOW
PROFILE & SOLDER PASTE.
- ④ CONTACTS IN ROWS A,C,E,G,J,K,M,P,R AND T
ARE SINGLE BEAM CONTACTS,
TYPICALLY USED AS GROUND PINS.
(NOTE: CONTACTS IN ROWS J & K ARE
TIED TOGETHER [COMMONED])
- ⑤ CONTACTS IN ROWS B,D,F,H,L,N,Q AND S
ARE DUAL BEAM CONTACTS,
TYPICALLY USED AS SIGNAL PINS.



END VIEW OF MATED CONNECTORS

DIM. "A"	RECPT. ASSY. P/N
15	55701
25	55733

NOTES CONTINUED

- ⑥ SPECIFIED POSITIONAL TOLERANCE DEFINES PAD TO PAD
LOCATION WITHIN LAND PATTERN. POSITIONAL TOLERANCE
OF LAND PATTERN TO FUDICIAL MARKS OR PCB DATUMS
SHALL BE DEFINED BY CUSTOMER. FOR RECOMMENDED
PRODUCT APPLICATION AND PCB DESIGN DETAILS, SEE
DOC. NO. GS-20-016.
- ⑦ FOR PROPER APPLICATION FOLLOW FCI APPLICATION
SPECIFICATION GS-20-033 LEADFREE SOLDER BALLS
WILL NOT SOLDER PROPERLY IN A LEADED SOLDER
PROCESS DUE TO A HIGHER REFLOW TEMPERATURE,
LEADFREE PRODUCT IS THEREFORE NOT BACKWARDS
COMPATIBLE WITH LEADED OR SOME SOLDERING
APPLICATIONS. REFERENCE FCI APPLICATION
SPECIFICATION.
- ⑧ THIS PRODUCT MEETS THE EUROPEAN UNION
DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED
IN GS-22-008. PRODUCT MEETING WITH THIS DIRECTIVE IS
IDENTIFIED IN THE LOT CODE NUMBER MARKED ON EACH
PART BY HAVING AN "X" IN THE SEVENTH CHARACTER POSITION.

	title GIG-Array, PLUG ASSEMBLY		dwg no 55720	Rev H
	10mm, 296 SIGNAL POSITION			
	catalog no -		CUSTOMER	sheet 4 of 4